

**Notice of Allowability**

Application No.

10/827,375

Applicant(s)

LIANG ET AL.

Examiner

Paul D. Kim

Art Unit

3729

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/12/2006.
2. ☒ The allowed claim(s) is/are 11,13,15-17,19 and 20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 10/200,194.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### **DETAILED ACTION**

This office action is a response to the amendment filed on 10/12/2006.

#### ***Examiner's Amendment***

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Berdo, Jr. on 10/25/2006.

The application has been amended as follows:

#### **IN THE CLAIM**

Re. Claim 1: Renumber the "Claim 1" as recited in line 1 to --Claim 11--.

Re. Claim 2: Renumber the "Claim 2" as recited in line 1 to --Claim 12--.

Re. Claim 3: Renumber the "Claim 3" as recited in line 1 to --Claim 13--.

After the phrase "according to" as recited in line 2, change the phrase "claim 1" to --claim 11--.

Re. Claim 4: Renumber the "Claim 4" as recited in line 1 to --Claim 14--.

Re. Claim 5: Renumber the "Claim 5" as recited in line 1 to --Claim 15--.

Re. Claim 6: Renumber the "Claim 6" as recited in line 1 to --Claim 16--.

After the phrase "according to" as recited in line 2, change the phrase "claim 5" to --claim 15--.

Re. Claim 7: Renumber the "Claim 7" as recited in line 1 to –Claim 17--.

After the phrase "according to" as recited in line 2, change the phrase "claim 6" to –claim 16--.

Re. Claim 8: Renumber the "Claim 8" as recited in line 1 to –Claim 18--.

Re. Claim 9: Renumber the "Claim 9" as recited in line 1 to –Claim 19--.

After the phrase "according to" as recited in line 2, change the phrase "claim 5" to –claim 15--.

Re. Claim 10: Renumber the "Claim 10" as recited in line 1 to –Claim 20--.

After the phrase "according to" as recited in line 2, change the phrase "claim 5" to –claim 15--.

2. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose the claimed invention. The closest reference of Kajino teaches a process of making a microcoil comprising steps of providing a substrate and forming a dry film photoresist structure with a coil tunnel having coil elements perpendicular to the substrate by using photolithography process. However, Kajino fails to teach processes of forming a dry film photoresist structure for a lower half coil tunnel by using photolithography process follow by depositing an insulation layer on top of the lower half coil tunnel, and then forming a magnetic core on the insulation layer and in center portion of the photoresist structure using photolithography process and then removing the insulation layer, then forming a dry film photoresist structure for an upper half coil tunnel, which covers the magnetic core by using photolithography process. Therefore, it

would not be obvious to modify Kajino by adding any photoresist structure to form a magnetic core on the insulation layer, since doing so would destroy the structure of microcoil of Kajino.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Claims 11, 13, 15-17, 19 and 20 are allowed.
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul D. Kim whose telephone number is 571-272-4565. The examiner can normally be reached on Monday-Thursday between 6:00 AM to 2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3729

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Paul D Kim  
Primary Examiner  
Art Unit 3729